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<110> Okochi, Masayasu
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<140> US 10/521,691
<141> 2003-07-17
<150> PCT/JP2003/009059
<151> 2003-03-17
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Val Gln Ser Glu Thr Val Glu Pro Pro Pro Pro Ala Gln Leu His Phe $1 \hspace{1cm} 5 \hspace{1cm} 10 \hspace{1cm} 15$

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<212> DNA
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Arg Ala Ala Arg Gly Leu Arg Asp Tyr Lys Asp Asp Asp Lys Met
Val Met Lys Ser Glu Pro Val Glu Pro Pro Leu Pro Ser Gln Leu His 35 \hspace{1cm} 40 \hspace{1cm} 45
Leu Met Tyr Val Ala Ala Ala Phe Val Leu Leu Phe Phe Val Gly
Cys Gly Val Leu Leu Ser
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Leu Pro Ser Gln Leu His Leu Met Tyr Val Ala Ala Ala Ala Phe Val
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Leu Leu Phe Phe Val Gly Cys Gly Val Leu Leu Ser Arg Lys Arg 25

<210> 25 <211> 31 <212> PRT <213> human

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Pro Val Glu Pro Pro Leu Pro Ser Gln Leu His Leu Met Tyr Val Ala 20 25 30

Ala Ala Ala Phe Val Leu Leu Phe Phe Val Gly Cys Gly 35 40 45

<210> 27 <211> 38

<212> PRT <213> Artificial

<220> <223> Partial amino acid sequence of F-NEXT which is derived from mouse Notch-1 peptide and has FLAG sequence at N-terminal region.

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Leu Arg Asp Tyr Lys Asp Asp Asp Asp Lys Met Val Met Lys Ser Glu $1 \ \ \, 10 \ \ \, 15$

Pro Val Glu Pro Pro Leu Pro Ser Gln Leu His Leu Met Tyr Val Ala $20 \hspace{1.5cm} 25 \hspace{1.5cm} 30$

Ala Ala Ala Phe Val Leu

<400> 30

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<210>
       28
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       37
       PRT
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      Artificial
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       Partial amino acid sequence of F-NEXT which is derived from mouse
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       Notch-1 peptide and has FLAG sequence at N-terminal region.
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Pro Val Glu Pro Pro Leu Pro Ser Gln Leu His Leu Met Tyr Val Ala
Ala Ala Phe Val
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      36
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       Notch-1 peptide and has FLAG sequence at N-terminal region.
<400> 29
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Pro Val Glu Pro Pro Leu Pro Ser Gln Leu His Leu Met Tyr Val Ala
Ala Ala Ala Phe
<210>
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<223>
       Partial amino acid sequence of F-NEXT which is derived from mouse
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Notch-1 peptide and has FLAG sequence at N-terminal region.

Leu Arg Asp Tyr Lys Asp Asp Asp Lys Met Val Met Lys Ser Glu

Pro Val Glu Pro Pro Leu Pro Ser Gln Leu His Leu Met Tyr Val Ala Ala Ala Ala 35 <210> 31 <211> 35 <212> PRT <213> Artificial <220> <223> Partial amino acid sequence of F-NEXT which is derived from mouse Notch-1 peptide and has FLAG sequence at N-terminal region. <400> Arg Gly Leu Arg Asp Tyr Lys Asp Asp Asp Lys Met Val Met Lys Ser Glu Pro Val Glu Pro Pro Leu Pro Ser Gln Leu His Leu Met Tyr Val Ala Ala <210> 32 <211> 33 <212> PRT <213> Artificial <220> <223> Partial amino acid sequence of F-NEXT which is derived from mouse Notch-1 peptide and has FLAG sequence at N-terminal region. <400> Leu Arg Asp Tyr Lys Asp Asp Asp Asp Lys Met Val Met Lys Ser Glu Pro Val Glu Pro Pro Leu Pro Ser Gln Leu His Leu Met Tyr Val Ala Ala <210> 33 <211> 31 <212> PRT <213> Artificial <220> Partial amino acid sequence of F-NEXT which is derived from mouse <223> Notch-1 peptide and has FLAG sequence at N-terminal region.

9

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Pro Val Glu Pro Pro Leu Pro Ser Gln Leu His Leu Met

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<212> PRT
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Leu His Leu Met Tyr Val Ala Ala Ala Ala Phe Val Leu Leu Phe Phe 1 \hspace{1cm} 5 \hspace{1cm} 10 \hspace{1cm} 15
Val Gly Cys Gly Val Leu Leu
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<211> 23
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Leu His Phe Met Tyr Val Ala Ala Ala Ala Phe Val Leu Leu Phe Phe 1 10\,
Val Gly Cys Gly Val Leu Leu
<210> 39
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<212> PRT
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<400> 39
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Leu Leu Gly Val Ile Met Ala
<210> 40
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Ile Leu Gly Val Met Val Ala
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<210> 42
<211> 23
<212> PRT
<213> human
<400> 42
Leu Leu Pro Leu Leu Val Ala Gly Ala Val Leu Leu Leu Val Ile Leu 10 \ 10 \ 15
Val Leu Gly Val Met Val Ala
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<210> 43
<211> 23
<212> PRT
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Ile Leu Cys Ser Pro Val Val Gly Val Leu Leu Leu Ala Leu Gly Ala
1 10 15
Leu Leu Val Leu Gln Leu Ile
20
<210> 44
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1 10 15
Leu Leu Val Leu Gln Leu Ile
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13

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       28
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1 10 15
Val Gly Cys Gly Val Leu Leu Ser
<210> 52
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<210> 53
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Val Gly Cys Gly Gly Leu Leu Ser
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<213> Artificial
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Val Gly Cys Gly Leu Leu Ser
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<211> 24
<212> PRT
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Partial amino acid sequence of transmembrane region of
F-NEXT(mutant) which is derived from mouse Notch-1 peptide.

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Val Gly Cys Gly Val Leu Leu Ser